

20000609.qrp v01_n847.qrl.20000609

Date: Fri, 9 Jun 2000 19:03:04 EDT

From: qrp-l@Lehigh.EDU

To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>

Subject: QRP-L digest 1847

QRP-L Digest 1847

Topics covered in this issue include:

- 1) [72293] Re: 6 meters open?
by Frank Alwine <n1gpy@together.net>
- 2) [72294] [PROP] RSGA for 8JUN
by "Paul Harden, NA5N" <na5n@rt66.com>
- 3) [72295] Re: 6 meters open?
by Steve Yates <aa5tb@yahoo.com>
- 4) [72296] Re: 6 meters open?
by Dave Sjolin <sjolin@swbell.net>
- 5) [72297] Re: 6 meters open?
by "Robert P. Okas" <vintage@best.com>
- 6) [72298] Kraus' Antennas
by Jeff Furman <jfurman@ocs.net>
- 7) [72299] Re: Kraus' Antennas
by semann@tcia.net (Steven Mann)
- 8) [72300] Re: Kraus' Antennas
by "Victor Blackwell" <victor@brecnet.com>
- 9) [72301] Now Showing: The ARS Sojourner
by Richard Fisher <ki6sn@yahoo.com>
- 10) [72302] HP 8640B repair help needed
by mikemo@attglobal.net
- 11) [72303] Re: Crystal set stuff & a queskin maybe . . .
by "Dan W. Dooley" <dandooley@pipeline.com>
- 12) [72304] Re: Crystal set stuff & a queskin maybe . . .
by "JC Smith" <jc-smith@worldnet.att.net>
- 13) [72305] OT, FS IC706 \$575
by "JC Smith" <jc-smith@worldnet.att.net>
- 14) [72306] FS: MFJ Cub 15 Meter, RS 10 meter
by "Don Wines" <dwines@tyler.net>
- 15) [72307] Re: Opinions on Qrp rigs and QSL cards
by Monte Stark <ku7y@dri.edu>
- 16) [72308] Request for list command info
by Russ Dow <n7dw@garlic.com>
- 17) [72309] Re: MFJ Cub 15 Meter, RS 10 meter (Cub SOLD)
by "Don Wines" <dwines@tyler.net>
- 18) [72310] Re: ANT: Fat Elements for 6M Beam Help
by "Lau, Zack, W1VT" <zlau@arrl.org>
- 19) [72311] Current Ferrite bead BALUNS

- by "Paul Helbert, Wv3j" <phelbert@rica.net>
- 20) [72312] FW: Schematic wanted!!!!???
- by "Rattray, Bruce" <Rattray@siast.sk.ca>
- 21) [72313] Thanks - Diodes as varactors
- by Gordon Goodwater <gordong@icehouse.net>
- 22) [72314] [6M]6M Prop Report
- by Frank Alwine <n1gpy@together.net>
- 23) [72315] Counter preamp circuit wanted (or working unit)
- by Michael Neverdosky <mneverdosky@earthlink.net>
- 24) [72316] Re: Counter preamp circuit wanted (or working unit)
- by "w8diz" <w8diz@cinci.rr.com>
- 25) [72317] resistor markings
- by Bruce Rattray <rattray@gpfn.sk.ca>
- 26) [72318] Re: resistor markings
- by "Mike Yetsko" <myetsko@insydesw.com>
- 27) [72319] SMK-1 Number 238 on the way!
- by "Franco, Nicholas J" <franco@bnl.gov>
- 28) [72320] Re: 20 watt Amp kit by KD1JV
- by "Steve/n0tu" <n0tu@webaccess.net>
- 29) [72321] Re: SMK-1 Number 238 on the way!
- by "Brian" <brian@iquest.net>
- 30) [72322] Re: 20 watt Amp kit by KD1JV
- by "Mark E. Monninger" <markem@primenet.com>
- 31) [72323] Re: resistor markings
- by Monte Stark <ku7y@dri.edu>
- 32) [72324] Re: HW-7 MANUAL
- by "Bradfield, Brad V." <BBradfield@spectrapoint.com>
- 33) [72325] QRP Rig Mods
- by Monte Stark <ku7y@dri.edu>
- 34) [72326] Re: Wanted to buy: Antennas by Kraus, other antenna texts
- by Allan G Taylor <k7gt@qsl.net>
- 35) [72327] Re: Opinions on Qrp rigs and QSL cards
- by "R. Eric Sluder" <kb9bgs@gte.net>
- 36) [72328] Low value resistor markings
- by Charles K Brown <n4so@juno.com>
- 37) [72329] OT: Cellular Phone Info
- by Monte Stark <ku7y@dri.edu>
- 38) [72330] Re: Current Ferrite bead BALUNS
- by "George T. Baker" <w5yr@att.net>
- 39) [72331] solar storm question
- by Dan Presley <talljazz@teleport.com>
- 40) [72332] Re: OT: Cellular Phone Info
- by Monte Stark <ku7y@dri.edu>
- 41) [72333] Re: Opinions on Qrp rigs and QSL cards
- by "Cla KA0GKC" <ka0gkc@arrl.net>
- 42) [72334] Re: HP 8640B repair help needed
- by "n6wg:First n6wg:Last" <n6wg@earthlink.net>
- 43) [72335] 80 mtr W/R beam

by hamjoel@juno.com

44) [72336] Re: QRP Rig Mods
by Phil Wheeler <w7ox@earthlink.net>

45) [72337] Re: HF Blackout
by w0yse@juno.com

46) [72338] RE: HP 8640B repair help needed
by Mike Gipe <mgipe@reliablemeters.com>

47) [72339] resistor question
by Bruce Rattray <rattray@gpfn.sk.ca>

48) [72340] Test equipment manuals
by "Richard E. Robinson" <rerobins@email.uncc.edu>

49) [72341] Re 8640B generators and attenuators
by "Mike Czuhajewski" <wa8mcq@erols.com>

50) [72342] Re: construction question
by "Lau, Zack, W1VT" <zlau@arrl.org>

51) [72343] Re: [6M]6M Prop Report
by "Chuck Carpenter" <w5usj@globeco.net>

52) [72344] Re: QRP Rig Mods
by Michael Bower <bowerm@ix.netcom.com>

53) [72345] Re: solar storm question
by "Paul Harden, NA5N" <na5n@rt66.com>

54) [72346] Re: OT: Cellular Phone Info
by Rick Sealey <rsealey@InfoAve.Net>

55) [72347] K2 and K1 Builders for hire
by Eric Swartz WA6HHQ - Elecraft <eric@elecraft.com>

56) [72348] Vectronics ANT Tuner and BY-1
by Debra Perry <obiecat@yahoo.com>

57) [72349] Re: solar storm question
by "Victor Blackwell" <victor@brecnet.com>

58) [72350] Goin' to Lima, gettin' Andy's grade card & a talk with an educational
psychologist
by nilsbull@juno.com

59) [72351] TAC 2000 Score Update
by "Ron Polityka" <wb3aal@talon.net>

60) [72352] USA-CA all QRP - CW
by wd3p@juno.com

61) [72353] Re: FS: More Shack Cleaning Items
by Allan G Taylor <k7gt@qsl.net>

62) [72354] Re: solar storm question
by Dave Sjolín <sjolin@swbell.net>

63) [72355] Re: Wanted to buy: Antennas by Kraus, other antenna texts
by "Ian C. Purdie VK2TIP" <ianpurdie@integritynet.com.au>

Date: Thu, 08 Jun 2000 18:57:50 -0400
From: Frank Alwine <n1gpy@together.net>
To: qrp-l@Lehigh.EDU

Subject: [72293] Re: 6 meters open?
Message-ID: <394024EE.F5FA6443@together.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

On VHF the "calling frequency" is typically used for both CW and SSB.
144.200 for 2M in N. America and 50.125 for 6M.

Seems to be quiet here on 6 & 2 right now, but it's not unusual
for the Au to come & go....

72/73 de Frank KT1VT in FN34 Vermont

>
> Subject: Re: 6 meters open?
> Wb8siw@aol.com
> Date: Thu Jun 08 2000 - 17:01:03 EDT
>
>
>
> In a message dated 06/08/2000 4:50:50 PM Eastern Daylight Time,
> aa5tb@yahoo.com writes:
>
> << What will be more related to the solar activity is
> auroral scatter on 6m and 2m that will probably be
> likely tonight. >>
>
> I am aware of the 144.200 mHz calling frequency. Is this universal for both
> SSB and CW, or is there a separate 2 meter calling frequency for CW?
>
> 73, Jim

Date: Thu, 8 Jun 2000 17:25:42 -0600 (MDT)
From: "Paul Harden, NA5N" <na5n@rt66.com>
To: qrp-l@lehigh.edu
Subject: [72294] [PROP] RSGA for 8JUN
Message-ID: <Pine.SUN.4.10.10006081713560.8560-100000@shell.rt66.com>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

> JOINT USAF/NOAA REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY
> SDF NUMBER 160 ISSUED AT 2200Z ON 08 JUN 2000

> IA. ANALYSIS OF SOLAR ACTIVE REGIONS AND ACTIVITY FROM 07/2100Z
> TO 08/2100Z: SOLAR ACTIVITY WAS LOW.

The sun itself was very quiet today ...

> IB. SOLAR ACTIVITY FORECAST: SOLAR ACTIVITY IS EXPECTED TO BE
> MODERATE TO HIGH. REGION 9026 AND 9033 ARE EACH CAPABLE OF
> PRODUCING M-CLASS AND ISOLATED X-CLASS EVENTS.

... but 2 regions capable of major flare activity.

> IIA. GEOPHYSICAL ACTIVITY SUMMARY FROM 07/2100Z TO 08/2100Z:
> THE GEOMAGNETIC FIELD WAS UNSETTLED TO SEVERE STORM. A SUDDEN
> IMPULSE OCCURRED AT 08/0909Z (77 NT, AS MEASURED BY THE BOULDER USGS
> MAGNETOMETER). THE SOLAR WIND VELOCITY JUMPED FROM 520 TO OVER 800
> KM/S AT 08/0841Z. MINOR TO SEVERE STORM LEVELS WERE OBSERVED
> FOLLOWING THE SHOCK ARRIVAL. THIS SHOCK IS PRESUMED TO BE RELATED
> TO THE X2/3B EVENT ON 06 JUNE. THE GREATER THAN 10 MEV PROTON FLUX
> AT GEOSYNCHRONOUS ORBIT PEAKED AT 84 PFU'S AT 08/0940Z AND IS
> DECREASING AT THIS TIME.

Hopefully, the above makes sense. It's pretty much a recap of the info
discussed over the past two days, and from what was observed by most of
you today :-(

> IIB. GEOPHYSICAL ACTIVITY FORECAST: THE GEOMAGNETIC FIELD IS
> EXPECTED TO RANGE FROM ACTIVE TO SEVERE STORM LEVELS DURING THE
> FIRST DAY. GEOMAGNETIC STORMING SHOULD START TO DIMINISH DURING THE
> MIDDLE OF THE PERIOD. CONDITIONS BY THE THIRD DAY ARE EXPECTED TO
> BE QUIET TO UNSETTLED WITH ISOLATED PERIODS OF ACTIVE CONDITIONS.
> HOWEVER, UNSETTLED TO MINOR STORM CONDITIONS MAY PERSIST DURING THE
> LATER PART OF THE PERIOD IF MODERATE EFFECTS ARE OBSERVED FROM THE
> X1/3B EVENT ON 7 JUNE.

> IV. PENTICTON 10.7 CM FLUX
> OBSERVED 08 JUN 175
> PREDICTED 09 JUN-11 JUN 185/190/200
> 90 DAY MEAN 08 JUN 188

> V. GEOMAGNETIC A INDICES
> OBSERVED AFR/AP 07 JUN 013/014
> ESTIMATED AFR/AP 08 JUN 035/055
> PREDICTED AFR/AP 09 JUN-11 JUN 060/075-025/040-015/025
 ^^^ ^^^ ^^^
 FRI SAT SUN

Tomorrow (friday) may be an equally bad day for geomagnetic storming, or
a bit worse, depending upon when and how strong the shockwave from

wednesday's X-class flare turns out to be. It occurred about 24 hours after the flares on tuesday's, so it should arrive morning or mid-day friday.

All this activity should have little effect on the VHF contest this weekend, since the real problem with geomagnetic storms is in the HF spectrum and absorption in the D-layer. Even under lousy conditions, VHF signals pass through the D-layer quite easily.

72, Paul NA5N

Date: Thu, 8 Jun 2000 16:27:17 -0700 (PDT)
From: Steve Yates <aa5tb@yahoo.com>
To: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [72295] Re: 6 meters open?
Message-ID: <20000608232717.23351.qmail@web3001.mail.yahoo.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii

Here is a good Web site for information regarding the
Sprites and Blue Jets I spoke of earlier:

<http://elf.gi.alaska.edu/sprites.html>

=====

73,
Steve Yates - AA5TB
Fort Worth, TX - EM12gs
<http://www.geocities.com/aa5tb>
aa5tb@arrl.net

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Date: Thu, 08 Jun 2000 18:51:31 -0500

From: Dave Sjolin <sjolin@swbell.net>
To: Wb8siw@aol.com
Cc: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [72296] Re: 6 meters open?
Message-ID: <39403183.89FD69AF@swbell.net>
MIME-version: 1.0
Content-type: text/plain; charset=us-ascii
Content-transfer-encoding: 7bit

Wb8siw@aol.com wrote:

>
> I am aware of the 144.200 mHz calling frequency. Is this universal for both
> SSB and CW, or is there a separate 2 meter calling frequency for CW?
>

144.2 is used for both SSB and CW. 144.1 is supposed to be CW calling frequency but I've never heard a station on that frequency here in the Midwest. Could be different other places but I doubt it. CW on 144.2 is acceptable, just dont sit there.

If Aurora starts, anyone sitting on 144.2 is going to be unpopular.
Spread out at least plus / minus 10 khz.

On two meters the Aurora sigs will sound very rough and may sound more like modulated noise than a true signal. Do your best to tune them in and then join the fun. Sigs on 6 are likely to have some tone although they will sound like AC supply is very unstable.

Move your antenna around if you can and peak the sigs. Sigs may not peak directly North. Could be at slight angle (i.e NNE).

Have fun.
73 de Dave, N0IT

Date: Thu, 8 Jun 2000 17:05:01 -0700 (PDT)
From: "Robert P. Okas" <vintage@best.com>
To: Steve Yates <aa5tb@yahoo.com>
Cc: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [72297] Re: 6 meters open?
Message-ID: <Pine.BSF.4.21.0006081701260.5262-1000000@shell114.ba.best.com>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

Howdy Folks,

One site I found is at:

www.elf.gi.alaska.edu/#chrspr

There's lot's of info with color/b&w photos and a couple of mpeg movie clips.

73,
Bob - W3CD

On Thu, 8 Jun 2000, Steve Yates wrote:

> John,
>
> I didn't want to get in too deep but I agree with you.
>
> Ever wonder how those thunderstorms effect ionization
> 40-60 miles above them? Some say upper level wind
> shear. I think Sprites and Blue Jets may be the
> answer. I remember reading about such sightings above
> thunderstorms decades ago but it wasn't until the
> early 1990's that the scientific community
> acknowledged them only after the space shuttle pilots
> saw them. Now there is major scientific research into
> them. Anyone interested can just do a search for
> "Sprites" and "Blue Jets" and should find some
> answers. When I get home I can look up the major
> URLs.
>
> So far I still haven't read of anyone correlating
> Sporadic-E with Sprites and Blue Jets but it seems
> obvious to me.
>
>
> =====
> 73,
> Steve Yates - AA5TB
> Fort Worth, TX - EM12gs
> <http://www.geocities.com/aa5tb>
> aa5tb@arrl.net
>
> -----
>
> -----
> Do You Yahoo!?
> Yahoo! Photos -- now, 100 FREE prints!
> <http://photos.yahoo.com>

>

Date: Thu, 8 Jun 2000 17:30:11 -0700 (PDT)
From: Jeff Furman <jfurman@ocs.net>
To: Allan G Taylor <k7gt@qsl.net>
Cc: qrp-1@lehigh.edu
Subject: [72298] Kraus' Antennas
Message-ID: <Pine.LNX.4.21.0006081725480.22534-100000@ocs.net>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

Allan, This book is in its second edition around 1988. The original is 1950. Try <http://www.bookfinder.com/> to search booksellers' inventories.
73, Jeff Furman AD6MX

--

Date: Thu, 08 Jun 2000 20:53:35 -0400
From: semann@tcia.net (Steven Mann)
To: jfurman@ocs.net
Cc: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [72299] Re: Kraus' Antennas
Message-ID: <3940400F.5F380DF9@tcia.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

I purchased a copy about 2 years ago from Amazon.com.
Steve N4EY

Jeff Furman wrote:

>

> Allan, This book is in its second edition around 1988. The original is
> 1950. Try <http://www.bookfinder.com/> to search booksellers' inventories.
> 73, Jeff Furman AD6MX
> --

Date: Thu, 8 Jun 2000 21:04:22 -0400
From: "Victor Blackwell" <victor@brecnet.com>
To: <semann@tcia.net>, "Low Power Amateur Radio Discussion" <qrp-1@lehigh.edu>
Subject: [72300] Re: Kraus' Antennas

Message-ID: <003101bfd1ae\$a67eb660\$415730d1@victor>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Looking for Kraus's Antenna book? Try www.radiosky.com look under
"books"

They are in the catalog. E-mail Jim and check on availability. Should be
in stock.

Vic AD8K

-----Original Message-----

From: Steven Mann <semann@tcia.net>
To: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Date: Thursday, June 08, 2000 8:51 PM
Subject: Re: Kraus' Antennas

>I purchased a copy about 2 years ago from Amazon.com.
>Steve N4EY
>
>Jeff Furman wrote:
>>
>> Allan, This book is in its second edition around 1988. The original is
>> 1950. Try <http://www.bookfinder.com/> to search booksellers' inventories.
>> 73, Jeff Furman AD6MX
>> --

Date: Thu, 8 Jun 2000 18:26:31 -0700 (PDT)
From: Richard Fisher <ki6sn@yahoo.com>
To: QRP-L Reflector <qrp-l@lehigh.edu>
Cc: Richard Fisher <KI6SN@yahoo.com>
Subject: [72301] Now Showing: The ARS Sojourner
Message-ID: <20000609012631.26782.qmail@web205.mail.yahoo.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii

The June edition of the Adventure Radio Society's monthly web
magazine, The ARS Sojourner, is hot off the press and appearing on a
computer screen near you. In fact, it's free and just a click away at:

<http://www.natworld.com/ars>

This month's edition is jam-packed with articles ranging from the technical to the terrestrial to the globe-trotting. Our table of contents tells part of the story:

- + The 6Y5 DXPedition, by Keith Doughty, WU0H
- + A Portable, Multiband Vertical Using the DK9SQ Mast, by Bruce Grubbs, N7CEE
- + Radio Adventuring at the Grand Canyon, by Lee Love, KD7EBO
- + Wilderness Nets: An Operating Tool for Backpackers, by Dr. Bob Armstrong, N7XJ
- + A Final Look at the NorCal 20, by Russ Carpenter, AA7QU
- + The ARS QRP Lab Reviews the MiniR2 Receiver, by Russ Carpenter, AA7QU
- + From Our Vantage Point, an ARS editorial
- + Who's Who and Who's New: New Members of the Adventure Radio Society, by Richard Fisher, KI6SN
- + The Latest Bumblebee Roster, by Russ Carpenter, AA7QU
- + Results of this month's Spartan Sprint, complete with the winners of the Skinny and Tubby divisions, and your soapbox comments.
- + Wilderness Alerts for June, 2000 (regularly updated)
- + A rundown of upcoming ARS events, including the July Spartan Sprint, and July's Flight of the Bumblebees

On behalf of webmaster Russ Carpenter, AA7QU, and everyone who so generously contributed their time and talent, we hope you enjoy this month's edition of The ARS Sojourner. As always, your comments, criticisms and suggestions are welcomed.

Vy 72,

Richard Fisher, KI6SN
Executive editor, The ARS Sojourner
Riverside, CA
KI6SN@yahoo.com

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Date: Thu, 08 Jun 2000 21:32:20 -0400
From: mikemo@attglobal.net
To: qrp1 <qrp-1@lehigh.edu>
Subject: [72302] HP 8640B repair help needed
Message-ID: <39404924.EBFB750E@attglobal.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Hello all. I need some assistance and I'm hoping that one of the thousands of qrp'ers out there can help.

I just recently purchased an HP 8640B option 323 signal generator. Unfortunately, the seller didn't tell me that the attenuator was damaged (what a surprise).

Does anyone have a repair manual that has a schematic of the attenuator? Anyone have any experience repairing these beasts? How about spare parts (don't laugh).

I get a nice output signal on the higher output ranges, decreasing as I switch down, but when I hit -70db the signal jumps back up. Seems like one section of the attenuator is fried.

Any help will be greatly appreciated. Thanks and 72!
Regards,
Mike Maiorana, KU4QO
Palm Harbor, FL

Date: Thu, 8 Jun 2000 21:51:23 -0500
From: "Dan W. Dooley" <dandooley@pipeline.com>
To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [72303] Re: Crystal set stuff & a queskin maybe . . .
Message-ID: <002701bfd1bd\$9c5fa040\$0400a8c0@bergenbrunswick.com>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Yea, and in those days, I understand that once the government got involved with regulating that new radio thing, they pushed all of the amateurs way up in frequency into the "shortwave" frequencies - considered useless then. Figured that the hams weren't going to get out very far at those high frequencies (shorter than 200 meters) and kept the "good stuff" - that below 200 meters for government and commercial usage.

Dan W. Dooley WB5TKA Bedford, Texas EM12ku
e-mail to: dandoooley@pipeline.com
May Goddes love blest ye alle
SOC#198
"Ancient Pistol, I do partly understand your meaning."

----- Original Message -----

From: <nilsbull@juno.com>
To: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Sent: Tuesday, June 06, 2000 6:07 PM
Subject: Crystal set stuff & a queskin maybe . . .

> . . . and to the people in Bucher's book "shortwave" was 160 m!

Date: Thu, 8 Jun 2000 20:22:49 -0700
From: "JC Smith" <jc-smith@worldnet.att.net>
To: <dandoooley@pipeline.com>, "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [72304] Re: Crystal set stuff & a queskin maybe . . .
Message-ID: <003101bfd1c2\$01bd3160\$8872480c@att.net>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Ah yes, the infinite wisdom of the gov'ment. God save us all.
72 - JC,k0hps@amast.org

----- Original Message -----

From: Dan W. Dooley <dandoooley@pipeline.com>
To: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Sent: Thursday, June 08, 2000 7:51 PM
Subject: Re: Crystal set stuff & a queskin maybe . . .

> Yea, and in those days, I understand that once the government got involved
> with regulating that new radio thing, they pushed all of the amateurs way
up
> in frequency into the "shortwave" frequencies - considered useless then.
> Figured that the hams weren't going to get out very far at those high
> frequencies (shorter than 200 meters) and kept the "good stuff" - that
below

> 200 meters for government and commercial usage.
>
> Dan W. Dooley WB5TKA Bedford, Texas EM12ku
> e-mail to: dandoooley@pipeline.com
> May Goddes love blest ye alle
> SOC#198
> "Ancient Pistol, I do partly understand your meaning."
>
> ----- Original Message -----
> From: <nilsbull@juno.com>
> To: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
> Sent: Tuesday, June 06, 2000 6:07 PM
> Subject: Crystal set stuff & a queskin maybe . . .
>
>
> > . . . and to the people in Bucher's book "shortwave" was 160 m!
>
>
>

Date: Thu, 8 Jun 2000 20:40:27 -0700
From: "JC Smith" <jc-smith@worldnet.att.net>
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [72305] OT, FS IC706 \$575
Message-ID: <000a01bfd1c4\$76ee7f00\$8872480c@att.net>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Well, there has been a lot of 706 stuff on here recently and the radio does work well at 3 Watts.

Looks, works and smells like new. Original box and packing materials. All original accessories (power cord, mic. etc.).

Gotta make room for new projects.

72 - JC,k0hps@amsat.org

Date: Thu, 8 Jun 2000 23:15:20 -0500

From: "Don Wines" <dwines@tyler.net>
To: "QRP-L LIST" <qrp-l@lehigh.edu>, "MJF CUB QRP" <qrpcub@listbot.com>
Subject: [72306] FS: MFJ Cub 15 Meter, RS 10 meter
Message-ID: <007101bfd1c9\$543d5300\$0a9186d0@oemcomputer>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

I have the following for sale to clear some budget room:

MFJ Cub 9315K - 15m QRP Xcvr. New, no mods, works great. 95\$ Shipped
CONUS

Radio Shack HTX-10 - 10 Meter Xcvr. Like new. Very little use. 125\$
Shipped CONUS

Please reply off-list if you are interested.

72/73
Don, K5DW
QRP-L #2083
k5dw@arrl.net

Date: Thu, 8 Jun 2000 22:03:52 -0700 (PDT)
From: Monte Stark <ku7y@dri.edu>
To: Ralph Opitz <ropitz@charter.net>
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [72307] Re: Opinions on Qrp rigs and QSL cards
Message-ID: <Pine.GS0.4.10.10006082200410.21894-100000@rotor.dri.edu>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

Hi Ralph,

I still like the NorCal 40a. Good solid radio that is not
too hard to build. Lots of mods you can do to it if you
are the kind to "tinker".

Available from Wilderness Radio.

But there are MANY other good rigs out there!

I get my QSL cards from W4MPY. He is great to work with

and has several different stock designs to work from. He can add lots of personal things at no extra cost.

Lead time depends on how busy he happens to be.

Hope this helps.

73, Ron

.....KU7Y.....ARCI #8829.....Monte "Ron" Stark.....
....ku7y@qsl.net....SOC #2.....Nevada....NRA LIFE....
.....SOWP 5545M.....WHINERS #1.....ZOMBIE #18.....
....Visit my Home Page.....<http://www.qsl.net/ku7y/>....

Date: Thu, 08 Jun 2000 22:55:32 -0700
From: Russ Dow <n7dw@garlic.com>
To: qrp-l@lehigh.edu
Subject: [72308] Request for list command info
Message-ID: <394086D4.969272F0@garlic.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Hi gang,

While installing Earthlink on my home system I did something that wiped out my entire local mail folder, including the subfolder where I saved a copy of the QRP-L list commands. I will need that info when/if I change providers. If some kind soul would forward me a copy of the command list, I'd sure appreciate it.

Please respond in private.

TIA,
Russ N7DW

Date: Fri, 9 Jun 2000 07:10:52 -0500
From: "Don Wines" <dwines@tyler.net>
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [72309] Re: MFJ Cub 15 Meter, RS 10 meter (Cub SOLD)
Message-ID: <002101bfd20b\$c2753e40\$e19086d0@oemcomputer>
MIME-Version: 1.0
Content-Type: text/plain;

charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

The MFJ 15m Cub has been sold.

The HTX 10 is still available.

> I have the following for sale to clear some budget room:
>
> MFJ Cub 9315K - 15m QRP Xcvr. New, no mods, works great. 95\$ Shipped
> CONUS
>
> Radio Shack HTX-10 - 10 Meter Xcvr. Like new. Very little use. 125\$
> Shipped CONUS
>
> Please reply off-list if you are interested.
>
> 72/73
> Don, K5DW
> QRP-L #2083
> k5dw@arrl.net
>
>
>

Date: Fri, 9 Jun 2000 08:19:09 -0400
From: "Lau, Zack, W1VT" <zlau@arrl.org>
To: "'qrp-l@Lehigh.EDU'" <qrp-l@Lehigh.EDU>
Subject: [72310] Re: ANT: Fat Elements for 6M Beam Help
Message-ID: <125490A005E3D3118C9C00805FC743CC8D9AEB@mail.arrl.org>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"

Yagi Antenna Design by Lawson explored this very question.

A program that does this is scale.exe, bundled with the ARRL
Antenna book. It even handles tapered elements.

73--Zack W1VT

Date: Fri, 09 Jun 2000 08:45:35 -0400

From: "Paul Helbert, Wv3j" <phelbert@rica.net>
To: Low Power Discussion Group <qrp-1@Lehigh.EDU>
Subject: [72311] Current Ferrite bead BALUNS
Message-ID: <3940E6EF.57A0CDD7@rica.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Gangue,

My questions about ferrite bead current type 1:1 BALUNS, on this list and off, have generated discussion which I think should be shared with the whole heap of you.

I am using the FB43-2401 Balun Core beads available from Amidon for \$16.00 plus \$4.00 shipping per hundred. I run ladder line (actually open wire feeder constructed of #24 enameled wire and european automotive style fuse bodies, which works out to have a characteristic impedance of about 500 ohms) from the eighty meter horizontal loop into the shack where, heretofore I have used an LDG 4:1 BALUN in a small metal box attached via a three or four foot length of coax to the automatic tuner in my K2. This project was conceived in an attempt to lighten, or at least reduce the volume of the junk in my briefcase sized station, and because I did not have a 1:1 BALUN to mess with, and now with the Elecraft auto-tuner I have the ability to rapidly switch between tuned antenna systems for comparison.

When fitting the beads onto Belden RG-58 I truly got blisters on my fingers because the fit is so tight. Many of you have suggested using soap, wirepulling compound, gloves or "not heating the beads (to expand them (?))" to overcome that problem.

Answers to my questions about how the beads act are summarized here: The beads add impedance in series, they do not have to touch each other tightly but probably should be lumped together, they act by absorbing the common mode current on the outside of the line and not allowing it to be radiated at HF (presumably they radiate it as heat). The lower the frequency of operation the more beads are needed. They would need to be used in conjunction with a tuner.

Several of you use such a bead BALUN and seem to be happy with it, but also state that you have not directly tested it against other configurations. Peter Chadwick, G3RZP has an admittance bridge and has offered to send some numbers.

Thanks for all the help.

Paul, Wv3j

Date: Fri, 09 Jun 2000 07:18:21 -0600
From: "Rattray, Bruce" <Rattray@siast.sk.ca>
To: "'QRP-L'" <qrp-l@LeHigh.EDU>
Subject: [72312] FW: Schematic wanted!!!???
Message-ID: <213591A81816D411B73D00508B5FD56E3F0B59@gallo_mse.siastr.sk.ca>
Mime-Version: 1.0
Content-Type: text/plain
Content-Transfer-Encoding: 7BIT

...anyone help Eim please?....tnx...72 - Bruce(VE5RC+VE5QRP)

> -----
> From: Eim Mulder[SMTP:mulder@nfra.nl]
> Reply To: mulder@nfra.nl
> Sent: Friday, June 09, 2000 12:19 AM
> To: Multiple recipients of list QRP-CANADA
> Subject: Schematic wanted!!!???
>
> Hi,
>
> Is there somebody who have fore me a very simple schematic for a one or
> two channel 10m FM receiver (or tranceiver). I am planning to use this
> especcially as a monitor receiver for onto my work and holliday's.
>
> Also lookong for a schematic for a transvertor for 2 to 10m (144Mhz in,
> 28Mhz out), So I could use my 2m rig onto 10metres.
>
> Eim-----PA3CMD-----mulder@nfra.nl-----kemulder@c
> s.com
>
>
>

Date: Fri, 09 Jun 2000 06:16:45 -0700
From: Gordon Goodwater <gordong@icehouse.net>
To: qrp-l@lehigh.edu
Subject: [72313] Thanks - Diodes as varactors
Message-ID: <3.0.6.32.20000609061645.007ab400@mail.icehouse.net>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

A big thank you to all those who provided lots of informative answers,

especially Cla, who dug up Paul's previous tests.

73,

Gordon KK7RD

Date: Fri, 09 Jun 2000 09:16:18 -0400
From: Frank Alwine <n1gpy@together.net>
To: qrp-1@Lehigh.EDU
Subject: [72314] [6M]6M Prop Report
Message-ID: <3940EE22.AC80C2A6@together.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Wow!

The aurora was a bust, but the sporadic E (aurora induced/enhanced?) last night was tremendous, and it's continuing this morning. The opening started for me with several stations in Newfoundland in grid GN08; about 0030Z the band also opened to the upper Midwest and extensive double hop into the mountain states and the Pacific NW. Didn't work a huge number of stations, but did pick up state #'s 45 and 46 on 6M (ID/WY). Very unique experience hearing Newfoundland, the midwest, and Washington/OR/CA etc all at the same time!

This morning we had/have prop to KS and IL/IN, and it looks like K1TOL in Maine is working transAtlantic into EH7... too bad I had to go to work! If you've got 6M gear, folks, turn it on - looks like it might be a very interesting day! Don't forget the ARRL VHF contest starts 1800Z tomorrow (Saturday), too.

GL, es CU on 6M!

Frank KT1VT FN34 in Vermont

Date: Fri, 09 Jun 2000 13:24:19 +0000
From: Michael Neverdosky <mneverdosky@earthlink.net>
To: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [72315] Counter preamp circuit wanted (or working unit)
Message-ID: <3940A9B3.E9E8D13@earthlink.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Hi,
Busy, lazy ham here looking for a preamp for my
counter.
I want something with high input impedance (1 meg ohm or so)
and a low input impedance like 50 ohm.

A 'cookbook' circuit or a working unit would make my life much
easier.

I am too busy/lazy right now to design one from scratch.

thanks

michael N6CHV (in central FL)

Date: Fri, 9 Jun 2000 09:27:46 -0400
From: "w8diz" <w8diz@cinci.rr.com>
To: "QRP-L" <qrp-l@lehigh.edu>
Subject: [72316] Re: Counter preamp circuit wanted (or working unit)
Message-ID: <00db01bfd216\$8022a1d0\$1461a518@cinci.rr.com>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

goto <http://www.aade.com> - there is a circuit there...

73 & "oo's" - Dieter (DIZ) Gentzow - W8DIZ - Loveland, Ohio
Clermont County - EM79uf - near Cincinnati; 39.218N - 84.305W
FPqrp-1 SOC-8 DLQRPAG-1454 ARCI-10226 QRPL-1998 10X-9389 CATT-26 K2-493
<http://home.cinci.rr.com/w8diz> [AOL-IM "w8diz"]

----- Original Message -----

From: "Michael Neverdosky" <mneverdosky@earthlink.net>
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Sent: Friday, June 09, 2000 9:24 AM
Subject: Counter preamp circuit wanted (or working unit)

> Hi,
> Busy, lazy ham here looking for a preamp for my
> counter.
> I want something with high input impedance (1 meg ohm or so)
> and a low input impedance like 50 ohm.
>

> A 'cookbook' circuit or a working unit would make my life much
> easier.
>
> I am too busy/lazy right now to design one from scratch.
>
> thanks
>
> michael N6CHV (in central FL)

Date: Fri, 9 Jun 2000 07:42:24 -0600 (CST)
From: Bruce Rattray <rattray@gpfn.sk.ca>
To: Low Power Group <qrp-1@LeHigh.EDU>, QRP-Canada <qrp-canada@lists.gpfn.sk.ca>
Subject: [72317] resistor markings
Message-ID: <Pine.LNX.3.95.1000609073927.5198A-100000@neale.gpfn.sk.ca>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

I'm looking for a 2.2 ohm resistor.....would it be marked with the regular
colour code (red-red-black is a 22 ohm) or a resistor marked 2.2 ohms?....
if the regular colour code is used, I can't seem to figure what the
markings would be for this value.....thank you.....

..72/73 - Bruce (VE5RC+VE5QRP) QRP-C#1 QRP-L#886 ARCI#9683 Zombie#272
A-1 Operator Club - 10/10# 944 - SOC #11 & #12 - Whiner#10 -
"QRP! How sweet it is!" "I am da man wit "DAH" paddle!"

Date: Fri, 9 Jun 2000 10:03:09 -0400
From: "Mike Yetsko" <myetsko@insydesw.com>
To: <rattray@gpfn.sk.ca>, "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [72318] Re: resistor markings
Message-ID: <024501bfd21b\$778ad380\$2101a8c0@insydesw.com>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

It would be marked as 22 x 10E-1
or Red Red Gold

22ohms is marked 22 x 10E0
or Red Red Black

Gold, in a VALUE band, is 0.1 as a multiplier, Silver is 0.01

Mike

```
> I'm looking for a 2.2 ohm resistor.....would it be marked with the
regular
> colour code (red-red-black is a 22 ohm) or a resistor marked 2.2
ohms?....
> if the regular colour code is used, I can't seem to figure what the
> markings would be for this value.....thank you.....
>
> ..72/73 - Bruce (VE5RC+VE5QRP) QRP-C#1 QRP-L#886 ARCI#9683
Zombie#272
> A-1 Operator Club - 10/10# 944 - SOC #11 & #12 -
Whiner#10 -
> "QRP! How sweet it is!" "I am da man wit "DAH"
paddle!"
>
>
```

Date: Fri, 9 Jun 2000 10:04:33 -0400
From: "Franco, Nicholas J" <franco@bnl.gov>
To: "'qrp-l@lehigh.edu'" <qrp-l@lehigh.edu>
Subject: [72319] SMK-1 Number 238 on the way!
Message-ID: <698DB793D712D31180B600902746422DFB47CC@exchange01.bnl.gov>
MIME-Version: 1.0
Content-Type: text/plain;
charset="windows-1252"

I finally took an evening and built up my SMK-1. Very nice kit. I used the soldering approach mentioned on the list here, where you tin the PC Board pad and then place the component. This worked much better for me and quicker, with better looking solder joints than the conventional method of tinning the component and then soldering it in.

The kit went together flawlessly - with the couple of typos and one component confusion in the instructions. All in all, a beautiful experience. Looks like it will work :-) The toughest soldering job was the 8 pin SOIC packages (naturally).

Next is to put together the NJQRP case kit and see if this puppy fires up.

BTW: Been playing with my SMiTe on 80m with almost no luck. That band has been shaky lately. I got discouraged and decided to hook up the TT2 on

40m. Withing 5 minutes, I'm chatting with Greg - K1YW/qrp. He was running 2w and I was on the Tuna Tin 2. It was like a breath of fresh air after multiple failed attempts on 80m.

So I'm looking forward to getting this SMK-1 on the air on my favorite band and starting a new category (WAS - SMK) :-)

Have a great weekend all,

Nick - kf2p . . .

--
Nicholas J. Franco <>< BROOKHAVEN NATIONAL LABORATORY
Systems Administrator Collider-Accelerator Department
Tel: (516) 344-5467 UPTON, NY 11973-5000
Fax: (516) 344-2833 Ham Call: KF2P
<mailto:nickf@bnl.gov> <<http://www.rhichome.bnl.gov/People/franco>>

Date: Fri, 9 Jun 2000 08:18:39 -0600
From: "Steve/n0tu" <n0tu@webaccess.net>
To: "QRP-L" <QRP-L@lehigh.edu>
Subject: [72320] Re: 20 watt Amp kit by KD1JV
Message-ID: <00a501bfd21d\$9c4ade20\$d208710f@sg2939h.col.hp.com>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Tks guys ...it's gone. Steve/n0tu

Date: Fri, 9 Jun 2000 10:23:11 -0400
From: "Brian" <brian@iquest.net>
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [72321] Re: SMK-1 Number 238 on the way!
Message-ID: <000d01bfd21e\$3e18fca0\$3d05080a@cincom.com>
MIME-Version: 1.0
Content-Type: text/plain;
charset="Windows-1252"
Content-Transfer-Encoding: 7bit

WAS-SMK.....GUD LUCK Nick.

After I had about a dozen QSO's on mine, I put it on the shelf.

It sure made me appreciate my NC40A and my Ten Tec Scout!

But it was FUN and dangd if I didn't learn something!

72

----- Original Message -----

From: Franco, Nicholas J <franco@bnl.gov>

To: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>

Sent: Friday, June 09, 2000 10:04 AM

Subject: SMK-1 Number 238 on the way!

> I finally took an evening and built up my SMK-1. Very nice kit. I used
> the soldering approach mentioned on the list here, where you tin the PC
> Board pad and then place the component. This worked much better for me
and

> quicker, with better looking solder joints than the conventional method of
> tinning the component and then soldering it in.

>

> The kit went together flawlessly - with the couple of typos and one
> component confusion in the instructions. All in all, a beautiful
> experience. Looks like it will work :-). The toughest soldering job was
the

> 8 pin SOIC packages (naturally).

>

> Next is to put together the NJQRP case kit and see if this puppy fires up.

>

> BTW: Been playing with my SMiTe on 80m with almost no luck. That band
have

> been shakey lately. I got discouraged and decided to hook up the TT2 on
> 40m. Within 5 minutes, I'm chatting with Greg - K1YW/qrp. He was
running

> 2w and I was on the Tuna Tin 2. It was like a breath of fresh air after
> multiple failed attempts on 80m.

>

> So I'm looking forward to getting this SMK-1 on the air on my favorite
band

> and starting a new category (WAS - SMK) :-)

>

> Have a great weekend all,

>

> Nick - kf2p . . .

>

> --

> Nicholas J. Franco <>> BROOKHAVEN NATIONAL LABORATORY
> Systems Administrator Collider-Accelerator Department
> Tel: (516) 344-5467 UPTON, NY 11973-5000
> Fax: (516) 344-2833 Ham Call: KF2P
> <mailto:nickf@bnl.gov> <http://www.rhichome.bnl.gov/People/franco>
>
>

Date: Fri, 9 Jun 2000 07:44:27 -0700 (MST)
From: "Mark E. Monninger" <markem@primenet.com>
To: Steve/n0tu <n0tu@webaccess.net>
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [72322] Re: 20 watt Amp kit by KD1JV
Message-ID: <Pine.BSI.3.96.1000609074219.15188A-100000@usr05.primenet.com>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

On Fri, 9 Jun 2000, Steve/n0tu wrote:

> Tks guys ...it's gone. Steve/n0tu

I have one I'd be willing to part with if anyone is still interested. No heatsink but all the other parts that came with it. Unassembled and unopened in the original packaging. Email if interested...

Mark AA7TA markem@primenet.com

Date: Fri, 9 Jun 2000 07:53:41 -0700 (PDT)
From: Monte Stark <ku7y@dri.edu>
To: Low Power Amateur Radio <qrp-l@Lehigh.EDU>, Bruce Rattray <rattray@gpfn.sk.ca>
Subject: [72323] Re: resistor markings
Message-ID: <Pine.GSO.4.10.10006090745370.24572-100000@rotor.dri.edu>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

Hi Bruce,

Good question! I've never thought about it before. All the low ohm, precision resistors I've ever seen have just had the numbers on them. (I think!)

Hmmmmmm, just looked it up in the handbook:

[illegible]

=3D=3D=3D=3D

Brad Bradfield, PE
(ex WB=D8CGH)

W5CGH

Test Staff Engineer
SpectraPoint Wireless LLC

Date: Fri, 9 Jun 2000 08:18:51 -0700 (PDT)
From: Monte Stark <ku7y@dri.edu>
To: Low Power Amateur Radio <qrp-1@Lehigh.EDU>
Subject: [72325] QRP Rig Mods
Message-ID: <Pine.GS0.4.10.10006090815250.24808-1000000@rotor.dri.edu>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

Hi All,

I have been asked a question. "Where can I find all the
mods for a NC40a?"

Is there any one place that has all the mods for all the
QRP rigs?

If there isn't, is there anyone out there that could afford
the time to collect the info and make such a place?

Seems to me that such a site would be a very handy resource.

OK, back in my hole... (And I ain't even gonna smell that
darn box) :-)

cul,

73, Ron

.....KU7Y.....ARCI #8829.....Monte "Ron" Stark.....
....ku7y@qsl.net....SOC #2.....Nevada....NRA LIFE....
.....SOWP 5545M.....WHINERS #1.....ZOMBIE #18.....
....Visit my Home Page.....<http://www.qsl.net/ku7y/>....

Date: Fri, 09 Jun 2000 08:28:29 -0700
From: Allan G Taylor <k7gt@qsl.net>
To: qrp-1@Lehigh.EDU

Subject: [72326] Re: Wanted to buy: Antennas by Kraus, other antenna texts
Message-ID: <39410D1D.7ECC@qsl.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

I have found a copy of Kraus's Antennas to purchase. Thanks for all the suggestions as well.

73 K7GT

--

Allan Taylor K7GT Pleasanton/Livermore CA

k7gt@qsl.net or k7gt@aol.com

Date: Fri, 09 Jun 2000 10:57:27 -0500
From: "R. Eric Sluder" <kb9bgs@gte.net>
To: ka0gkc@arrl.net
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [72327] Re: Opinions on Qrp rigs and QSL cards
Message-ID: <394113E7.CF0B5F1B@gte.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

I've seen some references to the "Elmer 101" series... I'm interested, how to I get such information? I'm new to the list and QRP.

73, Eric KB9BGS/5

Cla KA0GKC wrote:

>

> ----- Original Message -----

> From: "Ralph Opitz" <ropitz@charter.net>

> | I have been researching different QRP 40meter CW transceivers lately

> | especially after I have been to the Dayton Hamvention. I have been looking

> | at the Wilderness Norcal 40A and the Emtech NW40. I was very interested in

> | the Small Wonder Labs DSW40 but it looks like that is not available for

> | awhile. I would appreciate to hear pro and cons of these makes. I have

> | experience in soldering but I have not ever built a radio.

>

> Don't discount the SWL-40, it was the basis of the Elmer 101 series and is

> probably the best documented transceiver available. Especially when you

> consider how many of your fellow QRP-L'ers built one. I build one and it

> works very well.

>
> 73 de Cla KA0GKC

Date: Fri, 09 Jun 2000 11:43:21 EDT
From: Charles K Brown <n4so@juno.com>
To: qrp-1@lehigh.edu
Subject: [72328] Low value resistor markings
Message-ID: <20000609.104021.11966.3.n4so@juno.com>

Low value resistor markings depends
on the manufacturer

Dale resistor has the part number and
resistor value printed out-- printing it out would
be the logical method.

Ken Brown N4SO
Mobile, AL EM50tk
Norcal 20 and 4 el. yagi

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<http://dl.www.juno.com/get/tagj>.

Date: Fri, 9 Jun 2000 08:45:08 -0700 (PDT)
From: Monte Stark <ku7y@dri.edu>
To: Low Power Amateur Radio <qrp-1@Lehigh.EDU>
Subject: [72329] OT: Cellular Phone Info
Message-ID: <Pine.GS0.4.10.10006090827590.25127-100000@rotor.dri.edu>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

Hi All,

This is in response to the many folks who offered info
and asked to know what I would up finding out about the
cellular phones choices out here in the west.

I talked to all the companies that provide cellular service
here in the Reno and in the Boise area. It seems that you
can only sign up for one of these services if it is offered
locally.

For example, GTE was used by one of the list members but they do not provide service here so they were "off the table".

I would up going with Verizon Wireless, which is made up of Bell Atlantic Mobile, AirTouch Cellular and PrimeCo with a rumor going around that another somewhat major provider will soon be joining in.

This, I have been told, gives Verizon the best coverage in the USA. Free roaming and long distance only works if there are "roaming" agreements between your carrier and the carrier you happen to use when "on the road". If there is no agreement between them, you wind up paying roaming fees. (And long distance in most cases). The three carries that form Verizon have roaming agreements that cover just about anyplace you might find yourself.

The salesman from Nextel said that they covered just about all the major cities in the US but were weak in the rural areas and that he would use Verizon for the kind of travel we plan to do!

So did I get the BS seperated from the facts?

Who knows? Only time will really tell.

One other interesting (?) item..... I have been sending email to both Verizon and Radio Shack (who is the local agent for them) to get someone to say, in writing, that their coverage really is that good. So far my mail box is empty! :-)

Prices and features are all very competative between all the players and change almost daily! It's a bit like buying a computer.....when you buy one today you can bet that tomorrow someone else will be selling something just like it cheaper! :-)

Thanks to all the the help and info.

And thanks for the OT bandwidth.

cul,

73, Ron

.....KU7Y.....ARCI #8829.....Monte "Ron" Stark.....

....ku7y@qsl.net....SOC #2.....Nevada....NRA LIFE....
.....SOWP 5545M.....WHINERS #1.....ZOMBIE #18.....
....Visit my Home Page.....<http://www.qsl.net/ku7y/>....

Date: Fri, 09 Jun 2000 10:52:43 -0500
From: "George T. Baker" <w5yr@att.net>
To: phelbert@rica.net
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [72330] Re: Current Ferrite bead BALUNS
Message-ID: <394112CB.ED8FFA06@att.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

I use two bead baluns made with RG-303 coax for which the beads are a comfortable fit.

If you use 58, why not just trim off the outer layer and string the beads directly on the braid. Of course, the whole thing then has to be sealed up to keep water out, etc.

72/73, George
Fairview, TX 30 mi NE Dallas in Collin county
Amateur Radio W5YR, in the 54th year and it just keeps getting better!
R/C since 1964 - AMA 98452 RVing since 1972 Kachina #91900556

"Paul Helbert, Wv3j" wrote:

>
>
> When fitting the beads onto Belden RG-58 I truly got blisters on my
> fingers because the fit is so tight. Many of you have suggested using
> soap, wirepulling compound, gloves or "not heating the beads (to expand
> them (?)" to overcome that problem.

Date: Fri, 9 Jun 2000 09:01:56 -0700
From: Dan Presley <talljazz@teleport.com>
To: qrp-l@LeHigh.edu
Subject: [72331] solar storm question
Message-ID: <v03007802b566c3df455a@[216.26.63.42]>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

I read all the great reports from Paul, NA5N on the flares & storms, and was all set to be 'wiped out' on the bands. Last night while finishing up my K2 I flicked on a rig on 40M expecting to hear lots of static and lo and behold, it was full of strong ca sigs from all over the country! This was about 0500-0600 UTC Friday. Seems to me like this might be in between shockwaves, or storms? What is the recovery time from the 'blast' of a flare? Also this morning around 1500 the BBC was rolling in great on 9760 Khz (probably a relay station, but still a good signal).

So, I'm curious how to 'time' these flares, and what the recovery cycle is-any thoughts?

Dan Presley-N7CQR-Portland, Or QRP-L #502

Date: Fri, 9 Jun 2000 08:57:23 -0700 (PDT)
From: Monte Stark <ku7y@dri.edu>
To: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [72332] Re: OT: Cellular Phone Info
Message-ID: <Pine.GSO.4.10.10006090855410.25127-100000@rotor.dri.edu>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

Hi All,

I see that I didn't proof read that last one very well!

Please change "would" to "wound" in a few places!

The other things like "phones" instead of "phone" should be easy to understand.

cul,

73, Ron

.....KU7Y.....ARCI #8829.....Monte "Ron" Stark.....
....ku7y@qsl.net....SOC #2.....Nevada....NRA LIFE....
.....SOWP 5545M.....WHINERS #1.....ZOMBIE #18.....
....Visit my Home Page.....<http://www.qsl.net/ku7y/>....

Date: Fri, 9 Jun 2000 10:59:08 -0500
From: "Cla KA0GKC" <ka0gkc@arrl.net>

To: "R. Eric Sluder" <kb9bgs@gte.net>
Cc: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [72333] Re: Opinions on Qrp rigs and QSL cards
Message-ID: <030a01bfd22b\$a6feb400\$0200000a@mcg.net>

Drop in on this web page.
<http://home.earthlink.net/~hamkitbuilder/elmer101.html> It has lots of
information and links to several other web sites about the Elmer 101 building
and learning series.

Hope this Helps,
73 de Cla KA0GKC

----- Original Message -----
From: "R. Eric Sluder" <kb9bgs@gte.net>

| I've seen some references to the "Elmer 101" series... I'm interested,
| how to I get such information? I'm new to the list and QRP.

Date: Fri, 9 Jun 2000 09:05:47 -0700
From: "n6wg:First n6wg:Last" <n6wg@earthlink.net>
To: <qrp-1@Lehigh.EDU>
Subject: [72334] Re: HP 8640B repair help needed
Message-ID: <003601bfd22c\$94128960\$67d7fc9e@oemcomputer>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Hi Mike
I'm still searching for a manual myself.
An interim suggestion. Since you are getting good signal at the higher
levels,
you could hunt up a good used Kay (or other) external switched attenuator
and
use that.
73, Bob N6WG

Date: Fri, 9 Jun 2000 12:17:18 -0400

From: hamjoel@juno.com
To: qrp-1@lehigh.edu
Subject: [72335] 80 mtr W/R beam
Message-ID: <20000609.121720.-308047.0.hamjoel@juno.com>
MIME-Version: 1.0
Content-Type: text/plain
Content-Transfer-Encoding: 7bit

Highest Y'all's

As u kneaux the wind is blowing too hard to fish, the sun is messing up the bands so I is sittin here looking for sumthing to do... I can either haul wood into the barn for winter or build another antenna....

Sooooooo I've decided it's time to see what a funny two element 80 mtr yagi will do...

I can only get about 66 to 70 ft flat and about 40fts up.... so I will let the excess hang down on each end...

I will cut the driver using the formula $468 / \text{fmhz}$then reduce the director by 6% and put them 28 foots apart.... that's about .1 wave length spacing... best for two elements...

I'm gonna cut the antenna for 3.863 cause there is a sstv repeater up in new brunswick on On that freq....3.863 mhz I can use the repeater on a good night with my 40 mtr dipole and tuner so I am curious how things will work out with this ant....

ALSO , PLEASE... can someone give me LB's web site info....
kella joel
in maine
in 60 day grease wx...and horizon to horizon blue skies....

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<http://dl.www.juno.com/get/tagj>.

Date: Fri, 09 Jun 2000 09:28:34 -0700
From: Phil Wheeler <w7ox@earthlink.net>
To: ku7y@dri.edu
Cc: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [72336] Re: QRP Rig Mods
Message-ID: <39411B32.A6BDFE1D@earthlink.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Monte Stark wrote:

>
> Hi All,
>
> I have been asked a question. "Where can I find all the
> mods for a NC40a?"
>
> Is there any one place that has all the mods for all the
> QRP rigs?
>

Dunno, mOnte.

My sense is that the NC-40a was not so heavily modified as, say, the
SST. Mods to mine are:

- o 10 turn helipot for tuning
- o ABX (variable IF filter BW)
- o KC-1 keyer (but that is really a "factory" mod, and there is even a
new front panel

Best place to look would be qrp-l archive or, less tediously, the QRP-1
CD-ROM ... or 1995+ issues of QRPP

Phil

Date: Fri, 9 Jun 2000 10:22:46 -0600
From: w0yse@juno.com
To: qrp-l@Lehigh.EDU
Subject: [72337] Re: HF Blackout
Message-ID: <20000609.103028.-3928931.1.w0yse@juno.com>
MIME-Version: 1.0
Content-Type: text/plain
Content-Transfer-Encoding: 7bit

To Paul H. and QRP-L

Not knowing about the early hit by the shockwave, I proceeded with my
hike up the mountain with 2w of rf on 20m. Set up a dipole at 11:30 a.m.
mdt and had a great ten minute QSO with KW7D in Deming NM just before
local noon. He gave me a 579 after he turned his beam on me.

Then I tried to make sked with KI0II in the Denver area but neither of us
could hear each other. After I gave that up, I was heard just barely by
KE4VEK in Florida. He gave me a 229 but said I was too weak and the

noise was to high to copy me further. He gave me his name and location before he went QRT. There were several other good signals on the band yet when I pulled the antenna down and continued up the mountain.

Could Sporadic E be working at 14 MHz.??

Neil, w0yse, Utah

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<http://dl.www.juno.com/get/tagj>.

Date: Fri, 9 Jun 2000 09:36:00 -0700
From: Mike Gipe <mgipe@reliablemeters.com>
To: mikemo@attglobal.net, Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [72338] RE: HP 8640B repair help needed
Message-ID: <F988E2FF74F4D111A61F00A0C949D7A928ECC3@mission>
MIME-Version: 1.0
Content-Type: text/plain;
charset="windows-1252"

Mike --

That is probably the most common failure in the 8640. It happens when someone is testing the receiver part of a transceiver and accidentally keys the transmitter, sending hootie power into the 8640 attenuator, which burns up a few resistors.

You can probably figure out which ones to replace without a schematic. Normal precision (1% or better) resistors are good enough.

Good luck!

Mike K1MG

Date: Fri, 9 Jun 2000 10:44:31 -0600 (CST)
From: Bruce Rattray <rattray@gpfn.sk.ca>
To: QRP-Canada <qrp-canada@lists.gpfn.sk.ca>, Low Power Group <qrp-1@LeHigh.EDU>
Subject: [72339] resistor question
Message-ID: <Pine.LNX.3.95.1000609104055.18820A-1000000@neale.gpfn.sk.ca>
MIME-Version: 1.0

Content-Type: TEXT/PLAIN; charset=US-ASCII

Many many thanks to all who replied to my question!....red-red-gold is a 2.2 ohm resistor.... the learning and fun continues....now, where to find a red-red-gold?.... hmmmmm.....but of course!...from the NorCal resistor kit!....these kits are sure paying off.....my sincere thanks to everyone and NorCal!!.....

..72/73 - Bruce (VE5RC+VE5QRP) QRP-C#1 QRP-L#886 ARCI#9683 Zombie#272
A-1 Operator Club - 10/10# 944 - SOC #11 & #12 - Whiner#10 -
"QRP! How sweet it is!" "I am da man wit "DAH" paddle!"

Date: Fri, 9 Jun 2000 12:57:22 -0400
From: "Richard E. Robinson" <rerobins@email.uncc.edu>
To: n6wg@earthlink.net
Cc: qrp-l@lehigh.edu
Subject: [72340] Test equipment manuals
Message-ID: <v03102801b566d165c467@[152.15.144.71]>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

I recently ordered manuals for several pieces of my Hewlett Packard and Tektronix test equipment from Manuals Plus.

<http://www.manualsplus.com>

Send Jack email regarding your needs and he will respond very quickly. All the manuals were originals in good condition and the prices were very reasonable.

Usual disclaimers apply, I'm just a satisfied customer.

72,

Rick kf4ar

Date: Fri, 9 Jun 2000 13:55:49 -0400
From: "Mike Czuhajewski" <wa8mcq@erols.com>
To: "QRP forum" <qrp-l@lehigh.edu>
Cc: "Mike Czuhajewski" <wa8mcq@erols.com>

Subject: [72341] Re 8640B generators and attenuators
Message-ID: <001301bfd23b\$f26a0100\$5ab0db26@MCzuhajewski.EVI-INC.COM>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

I got private mail from KU4QO asking about the 8640B Opt 323, which is the military version of the 8640B, in a heavy yellow shipping case that you can run a tank over; he was referred to me by W6TOY. I just read the HTML archives and found out that he asked the question here first, so I'll share my answer. A number of QRPers probably have these units, which have appeared on the surplus market in recent years, and the info here is also applicable to anyone who has the HP model 355x attenuators. (And yes, this is QRP related since attenuators are very useful items for homebrewing and experimenting, and even real QRP operation...but only if you're VERY careful about how much power you pump into them!)

Are the lower output positions bad as well (higher attenuation), or just that one? I had my 8640B Opt 323 apart once but don't recall how the attenuator was implemented. In some types of equipment attenuators are in shielded boxes, while other things have them built out in the open, on switches, where you can get at them. But in an environment like this, where you have such a range of attenuation, and at RF to boot, I strongly doubt that's the case--just about have to have a shielded unit for this.

I know I did take note of the attenuator when I had mine apart but just can't remember details. Good chance, though, being HP, that it's a variation on their 355x series which they market separately. In fact, Fred Bonavita, W5QJM, now K5QLF, once swapped attenuators with me. I gave him an HP 355x and he gave me one back (of a different range) that was quite obviously the same thing but intended for use inside some piece of their own test equipment instead of retail sale, ie, not labeled or painted, and a relatively rough finish. But it was quite clearly from the same family.

If it is something like that, you're in luck since you can fix those rather easily. If it was the type of attenuator that uses a rotating turret, it could get very complicated and nasty indeed, but the HP 355x family--the ones with knobs, not the electrically programmable variant--are pretty straightforward. Instead of a separate attenuator for each and every value--which is that the turret type have inside--these have a relatively small number of sections, such as 10, 20, 30 and 60 dB each. As the knob is turned, a number of cams on the shaft switch various sections in and out--they have microswitches on each section--to give whatever value is appropriate. By adding up those numbers in various combinations, you can hit anything from 0 to 120 in steps of 10 dB. (They also do the same thing with their 1 dB per step unit.)

You'll have to remove a goodly number of screws on the bottom. Don't bother removing the top unless you're curious and want to see the cams on the shaft. Lift the bottom cover and you'll see all the resistors in there, and they will be fairly easy to get out. If any are burned, that will be obvious. Not so obvious is if something has changed value but leaves no visible signs; then you have to start ohming things out.

Assuming this is the type of attenuator in our generator, here's my guess: you said the output jumps way up when you go to 70 dB. That step would be a combination of 60 and 10 dB sections (or whatever numbers are involved, maybe a 50 dB section) and the bigger one is probably not getting switched in, giving you maybe 10 dB attenuation instead of 70. That could be a problem on the top side of the unit--maybe the leaf spring on the microswitch button is out of adjustment and not contacting the button fully when the cam pushes on it, or maybe the cams have moved out of position along the shaft and are not contacting all the microswitch leaf springs. (I saw that once; I had to use an arbor press and piece of metal to push the batch of cams down a bit further on the shaft. Not sure how it got that way, since the cams are a very tight fit on the shaft. I think some curious person got carried away and was messing around where he shouldn't have been!) Or maybe the microswitch itself is bad internally.

You may have to do some mechanical adjustment on the top side of the attenuator, or maybe replace the appropriate microswitches--I believe they have two on each section, one at each end. They probably look like pretty ordinary microswitches, too, though I would not be surprised if they're actually special ones, made to give good RF performance up 1 GHz or better. But you could try replacing it with a run of the mill microswitch and see how it works. Might degrade the performance at the high end of the range, but better than nothing.

73 and queue our pea DE WA8MCQ

Date: Fri, 9 Jun 2000 14:10:49 -0400
From: "Lau, Zack, W1VT" <zlau@arrl.org>
To: "'qrp-1@Lehigh.EDU'" <qrp-1@Lehigh.EDU>
Subject: [72342] Re: construction question
Message-ID: <125490A005E3D3118C9C00805FC743CC8D9AEF@mail.arrl.org>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"

How about analyzing this using waveguide theory,
where the attenuation in a length d is given by

$54.5 \times (d/l_c) \times (1 - (l_c/l)^2)^{0.5} \text{dB}$

l_c is the cutoff wavelength of an individual hole

l is the wavelength of interest

I think the theory can be used to predict that a few big holes work better than lots of small holes--assuming the same total area. In fact, I think the situation is optimized for a single large hole :-).

Note the importance of the length d .

73--Zack Lau W1VT

Date: Fri, 09 Jun 2000 13:28:35 -0500
From: "Chuck Carpenter" <w5usj@globeco.net>
To: n1gpy@together.net, "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [72343] Re: [6M]6M Prop Report
Message-ID: <3.0.2.32.20000609132835.007b99c0@mail.globeco.net>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

QRP V/UHFers,

Nice to see some chatter on here about 6 meter activity -- even if it was along the Northern tier of states 8^)...

Nothing heard down here...

Chuck Carpenter, Point, Rains County, Texas -- EM22cv, RARA #003
ARCI #5422, QRP-L #1306, SOC #57, Six Club #201, SMIRK #6275

Date: Fri, 09 Jun 2000 14:31:39 -0400
From: Michael Bower <bowerm@ix.netcom.com>
To: ku7y@dri.edu
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [72344] Re: QRP Rig Mods
Message-ID: <3941380B.DCD40C73@ix.netcom.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Ron, that would be a nice addition to the QRP CD as well. Hope we find someone.

(I just finished a 40A and want to know the mods.)

Michael N4NMR

Monte Stark wrote:

```
> Hi All,  
>  
> I have been asked a question. "Where can I find all the  
> mods for a NC40a?"  
>  
> Is there any one place that has all the mods for all the  
> QRP rigs?  
>  
> If there isn't, is there anyone out there that could afford  
> the time to collect the info and make such a place?  
>  
> Seems to me that such a site would be a very handy resource.  
>  
> OK, back in my hole... (And I ain't even gonna smell that  
> darn box) :-)  
>  
> cul,  
>  
> 73, Ron  
>  
> .....KU7Y.....ARCI #8829.....Monte "Ron" Stark.....  
> ....ku7y@qsl.net....SOC #2.....Nevada....NRA LIFE....  
> .....SOWP 5545M.....WHINERS #1.....ZOMBIE #18.....  
> ....Visit my Home Page.....http://www.qsl.net/ku7y/....
```

Date: Fri, 9 Jun 2000 12:43:42 -0600 (MDT)
From: "Paul Harden, NA5N" <na5n@rt66.com>
To: Dan Presley <talljazz@teleport.com>
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [72345] Re: solar storm question
Message-ID: <Pine.SUN.4.10.10006091217410.12174-1000000@shell.rt66.com>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

On Fri, 9 Jun 2000, Dan Presley wrote:

> I read all the great reports from Paul, NA5N on the flares & storms, and
> was all set to be 'wiped out' on the bands. Last night while finishing up
> my K2 I flicked on a rig on 40M expecting to hear lots of static and lo and
> behold, it was full of strong ca sigs from all over the country! This was
> about 0500-0600 UTC Friday.

Yesterday's geomagnetic storm began about 0900 UTC upon the arrival of the shockwave from tuesday's flares. It immediately drove the K index to 7, defining a MAJOR geomagnetic field. Of course the disturbances to our magnetic field varied across our globe, causing SEVERE storm conditions in some places, notably the higher latitudes. This major geomagnetic storm lasted until the end of the UTC day, or early evening in the U.S. The K index has been 2-3 since then, marking the end of *this* geomagnetic storm. So by early evening, the storm was over.

Most reports indicate this storm did not attain the intensity or duration that was being predicted by some agencies. The high solar wind of this shockwave did not last as long as first thought, nor did the direction of the interplanetary magnetic field (IMF) wiggle around as much as anticipated. The direction of the IMF going southward for long periods is what enhances auroral activity. Still, it was classified by NOAA as a major, class G3, geomagnetic storm, which is a big one. It just didn't last as long (<12 hours) as most storms of this magnitude seem to do.

However, we are still waiting for the possible arrival of a shockwave from wednesday's X-class flare later today or early saturday. If it's intense, it will trigger another geomagnetic storm, likely of short duration as this one was.

> What is the recovery time from the 'blast' of a flare?

It all depends on how strong the blast from the shockwave is, how long the high solar wind exerts pressure on our magnetic field, whether we take a direct hit or a glancing blow, etc. But generally, the geomagnetic storm will decay back to normal conditions within 6 hours after the high solar wind from the shock wave ends.

Our geomagnetic field tends to get very quiet and stable following a storm, suggesting this evening will bring very good conditions to 30M, 40M and 80M ... at least until (and if) this next shockwave hits us.

> Also this morning around 1500 the BBC was rolling in great on 9760
> Khz (probably a relay station, but still a good signal).

Again, the geomagnetic storm is now over and our magnetic field is very quiet and stable. K=3. HF conditions are back to normal, if not a bit

better than usual right now.

> So, I'm curious how to 'time' these flares, and what the recovery cycle
> is-any thoughts?

I hope this answers some of your questions. During the past solar cycles, we did not have real-time satellites in orbit making all these measurements of solar wind, shockwaves, particle densities, etc. There was often little warning when a storm hit or how long it would last. Now with all this data, it's becoming easier to see when a storm is about to begin and when it will start to subside. However, with all this data, there is still so much to learn. Our understanding of the PHYSICS behind all of this has virtually changed completely in the past ten years, while the accuracy of making predictions is still difficult at best. It's making predictions of a wavefront of particles and electrons that even with modern technology, still can not be actually seen as they travel from the sun to the earth ... only measured when they finally hit!

72, Paul NA5N

Date: Fri, 09 Jun 2000 14:53:05 -0400
From: Rick Sealey <rsealey@InfoAve.Net>
To: ku7y@dri.edu, Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [72346] Re: OT: Cellular Phone Info
Message-ID: <4.1.20000609145004.0095e6f0@mail.infoave.net>
MIME-version: 1.0
Content-type: text/plain; charset="us-ascii"

Say Ron, what's your email capabilities gonna be on your travels?

Rick - W4SEA

At 08:45 AM 06/09/2000 -0700, Monte Stark wrote:
>Hi All,
>
>This is in response to the many folks who offered info
>and asked to know what I would up finding out about the
>cellular phones choices out here in the west.
>
>----- SNIP -----
>

>cul,
>
>73, Ron

Date: Fri, 09 Jun 2000 12:21:39 -0700
From: Eric Swartz WA6HHQ - Elecraft <eric@elecraft.com>
To: EleCraft mail list <elecraft@qth.net>, QRP-L <qrp-l@lehigh.edu>, GQRP
<gqrp@onelist.com>
Subject: [72347] K2 and K1 Builders for hire
Message-ID: <394143C3.7FCBF149@elecraft.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Hi,

I have just updated our Builder's for Hire list (and free for older & disabled hams) at http://www.elecraft.com/k2_builders.htm

We have added another 20 builders, including a number of new international ones.

73, Eric

--
<http://www.elecraft.com>

Date: Fri, 9 Jun 2000 12:34:04 -0700 (PDT)
From: Debra Perry <obiecat@yahoo.com>
To: qrp-l@Lehigh.EDU
Subject: [72348] Vectronics ANT Tuner and BY-1
Message-ID: <20000609193404.5625.qmail@web805.mail.yahoo.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii

Vectronics VC300DLP 300W / 30W antenna tuner with internal dummy load \$85. This tuner works really well. I used it with an indoor 40 meter dipole fed with only 13 feet of 300 ohm twin-lead; and the antenna tuned up with low SWR on all bands 160 meters thru 10 meters. The 30 watt scale on the meter has an expanded lower watt portion so that power levels of less than one

watt and up to 5 watts can easily be read.

Bencher Model BY-1 Black Base Iambic Paddles \$55.

Both items were purchased new 3 months ago; and are ABSOLUTELY IN LIKE NEW CONDITION. Financial emergency forces me to sell. Prices DO NOT include shipping.

Ray Cubberly W9CUB
email: cubberly@worldnet.att.net
Phone: 608-276-8012

Do You Yahoo!?
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Date: Fri, 9 Jun 2000 15:40:36 -0400
From: "Victor Blackwell" <victor@brechnet.com>
To: <na5n@rt66.com>, "Low Power Amateur Radio Discussion" <qrp-l@lehigh.edu>
Subject: [72349] Re: solar storm question
Message-ID: <001301bfd24a\$978434e0\$4d5730d1@victor>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

To All,

Will a geomagnetic storm cause a compass to deflect or jitter around a bit? Inquiring minds want to know. Looks like detector of some sort could be made.

Vic AD8K

Date: Fri, 9 Jun 2000 19:49:54 +0000
From: nilsbull@juno.com
To: QRP-L@lehigh.edu
Subject: [72350] Goin' to Lima, gettin' Andy's grade card & a talk with an

educational psychologist

Message-ID: <20000609.200313.-167615.0.nilsbull@juno.com>

MIME-Version: 1.0

Content-Type: text/plain

Content-Transfer-Encoding: 7bit

Gang,

Long enough subject tag, ain't it?

Andy had an eval appointment today with the ed psych peeps at his school to see if he's up for the AP English program (among other nuisances), so I was up at 5 for work, back at home at 9 to take him to the apperntment & then after that it was bonding over burgers & a trip to Fair Radio Snails.

Two & one half hours trip time. About 15 bucks worth of gasoline (yes, Wayne, the prices are now reaching something nearer to global perspective) that probably would have gone to the USPS if I'd had the transformer shipped to the abode.

Man, these suckers are huge! All this QRP stuff has gotten me so used to small stuff that the size of a garden-variety 13 V/20 A transformer is rather imposing. So much for puttin' the supply in the box with the amp. But then that makes the amp a lot lighter (and, if I get crazy with a horizontal band saw, shorter). Size? Well, HWD is 4.5x3.5x3.5 inches. Convert to metric youseffs.

Before I succumb to this madness, I looked at the Allied catalog & saw a Hammon Mfg toroidal transformer for about \$50, runnin' 12 V @ 18 A. Not quite enough, but a lot smaller. More like 2x5 (HW). I may leave things just the way they are, should I ever succumb to the toroidal transformer trip, even if it'd be a couple five A shy of full tilt.

After Andy's eval was over I had a chat with the ed psych person runnin' the tests. We talked about the exchange of metaphors that take place as technology "advances." (What do the paleontologists call it? Episodic catastrophism or something?) And all my recent reading about the middle late age of telegraph & the early, turn-of-the-century age of radio. Or wireless telegraph, if you must.

All the way back from Lima talking with Andy about stuff that he'd been asked & why he got a D in social studies. In the background the toroidal transformer was asking questions about existence. Like what advantages do I get from burning up gasoline to get a transformer that I could've gotten in the mail. Or would the toroidal transformer have any serious advantages (beyond weight & size) over the standard shielded frame puppie.

Show me the puppies!

And now, to mow the lawn . . .

73

Nils

Nils R. Bull Young -- El Gringo Errante -- La Estancia de los Guajolotes
Sonrientes

<http://www6.50megs.com/w8ijn> -- W8IJN -- <http://members.xoom.com/nilsbull>

"In MY day we had to FIGHT to have signatures! Every DAY was a STRUGGLE!"

-- Comrade Nikolai Sergeievich

McTovarishov, 19 Oct 1917

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<http://dl.www.juno.com/get/tagj>.

Date: Fri, 9 Jun 2000 16:22:48 -0400

From: "Ron Polityka" <wb3aal@talon.net>

To: ". Eastern PA QRP Club" <epaqrp-l@Lehigh.EDU>

Cc: ". QRP-L" <qrp-l@Lehigh.EDU>, ". NJ QRP-L" <njqrp@njqrp.org>

Subject: [72351] TAC 2000 Score Update

Message-ID: <002501bfd250\$7be539e0\$9fe508cf@wb3aal>

MIME-Version: 1.0

Content-Type: text/plain;

charset="iso-8859-1"

Content-Transfer-Encoding: 7bit

Check out the EPA QRP Club's web page for the latest
updated scores and soap box comments.

www.n3epa.org

72 & 73

Good DXing

Ron Polityka

de N3EPA

n3epa@talon.net

vvv Eastern Pennsylvania QRP Web Page vvv

<http://www.n3epa.org>

Eastern Pennsylvania QRP Club Call
N3EPA E-mail address: n3epa@talon.net

Date: Fri, 9 Jun 2000 20:20:02 +0100
From: wd3p@juno.com
To: qrp-1@Lehigh.EDU
Cc: scipionep@mail.montclair.edu
Subject: [72352] USA-CA all QRP - CW
Message-ID: <20000609.202605.-426045.0.wd3p@juno.com>
MIME-Version: 1.0
Content-Type: text/plain
Content-Transfer-Encoding: 7bit

The message below was posted to one of the county hunter web forums today. This fellow needs only 7(8?) counties to finish working every county in the US QRP CW. If you can help in any way send him an e-mail.

The counties have only been worked once all QRP and never all CW so this would be a first.

For those interested I keep a page with the current status of those working the counties QRP at my web site. So if you are interested you can check there. It also has some of the details of the only person to do it all QRP - By the way he finished it in 1981 and did it all QRP mobile to mobile.

73 de Larry.....WD3P
<http://www.qsl.net/wd3p>

*****From <http://countyhunter.com> under
CW forum*****
Last 7 Counties Needed for USA-CA 2nd
Time (All QRP-CW)
CW Talk

From: (Paul) 732-548-8096
Callsign: AA2AV (USA-CA #770)
Email: scipionep@mail.montclair.edu

Comments

Have alerted the Editor of the Countyline RoadRunner, but hope my inquiry

here will get directly to my fellow CW ops.

Needed for 2nd Time Around (first ever all CW-QRP):

AK (First District)

CO (Dolores; San Miguel)

NM (Catron; San Juan)

SD (Haakon; Stanley)

TN (Lawrence)

I am done teaching for the summer now & will be home in the shack a lot more time. Hope to finish up over the summer, since my 2nd time around has now taken eight years. I run only 4 watts QRP CW via Ten-Tec Argo II with a tribander+40 on my suburban roof only 50 ft. up, so I don't put out

a signal like an Alpha amp, but have a decent CW fist (comfortable to about 35 wpm). Hope you can help my long-time quest. Mny tnx!! Paul (AA2AV & N0AI)

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<http://dl.www.juno.com/get/tagj>.

Date: Fri, 09 Jun 2000 14:17:22 -0700

From: Allan G Taylor <k7gt@qsl.net>

To: qrp-l@Lehigh.EDU

Subject: [72353] Re: FS: More Shack Cleaning Items

Message-ID: <39415EE2.1153@qsl.net>

MIME-Version: 1.0

Content-Type: text/plain; charset=us-ascii

Content-Transfer-Encoding: 7bit

The following items are still available.

back issues of QRP Quarterly:

1990 through 1997 (missing only two issues) \$25 set

2 near new 7 AH batteries with double fuse leads and
R/S molex connectors. \$12 ea + shipping

HamKey iambic paddle/key combo. \$50+ shipping.

Arrow 2m yagi 4 el, collapsible/portable \$35+shipping

Cushcraft XM510 5-el 10m yagi. \$120 + shipping.

.....

I still have 4 QRP rigs but that may change if the K1 works out well.
In any case, look for K7GT/p this August on 40 and 20 from the
Great Western Divide in the souther Sierra Nevada mtns, Sequoia park.

.....

Last call... last post...

(big sigh of relief... GT's gone into his study rathole)

--

Allan Taylor K7GT Pleasanton/Livermore CA

k7gt@qsl.net or k7gt@aol.com

Date: Fri, 09 Jun 2000 16:35:44 -0500
From: Dave Sjolín <sjolin@swbell.net>
To: na5n@rt66.com
Cc: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [72354] Re: solar storm question
Message-ID: <39416330.E5C4DFD0@swbell.net>
MIME-version: 1.0
Content-type: text/plain; charset=us-ascii
Content-transfer-encoding: 7bit

Paul, I would like to pick your brain on another propagation question.

Over the last couple weeks, two meter operators throughout Europe have been experiencing sporadic E skip for periods of several hours at a time. Here in the states, I've only seen one on two reports of VERY short (minutes) sporadic E on two.

Is there any logical reason for this difference other than perhaps greater activity during the day on two meters in Europe.

If I sound jealous, I am. They got full brunt of the meteor storm last November and they seem to get more aurora than we do. Now it seems they get the E-skip as well. Am I just jealous or is there a logical reason.

73 de Dave, N0IT

Date: Sat, 10 Jun 2000 07:51:30 +1000
From: "Ian C. Purdie VK2TIP" <ianpurdie@integritynet.com.au>
To: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [72355] Re: Wanted to buy: Antennas by Kraus, other antenna texts
Message-ID: <394166E2.E8DBA145@integritynet.com.au>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Allan G Taylor wrote:

> I have found a copy of Kraus's Antennas to purchase.

Where?, How much?

72/73's

Ian Purdie Budgewoi N.S.W. Australia - Co-ords 33o:14' S 151o:34' E
My FREE Newsletter:- <mailto:vk2tip@qsl.net?Subject=Subscribe>
VK2TIP "I'll give ya the TIP mate" QRP-L #1978. SOC #171 "duh?"
URL - <http://www.integritynet.com.au/~purdic/>

End of QRP-L Digest 1847

